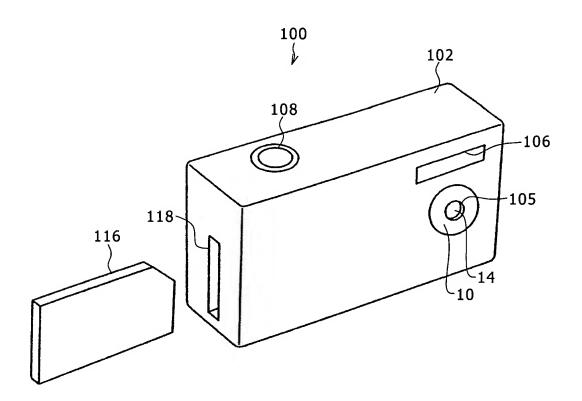
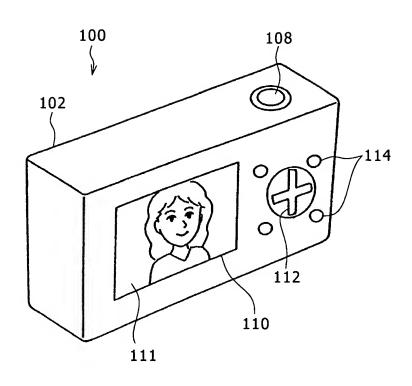
F I G . 1

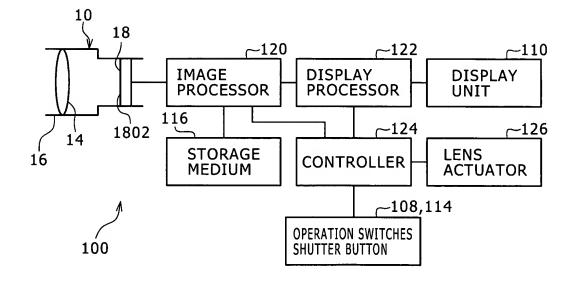


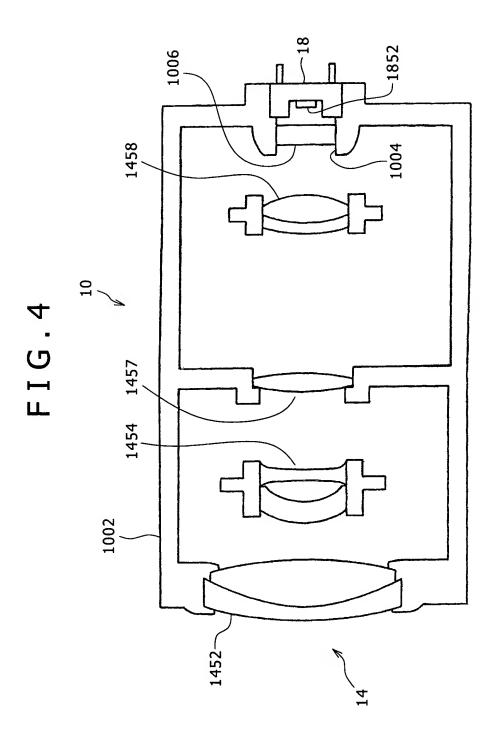
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F I G . 2



F I G . 3







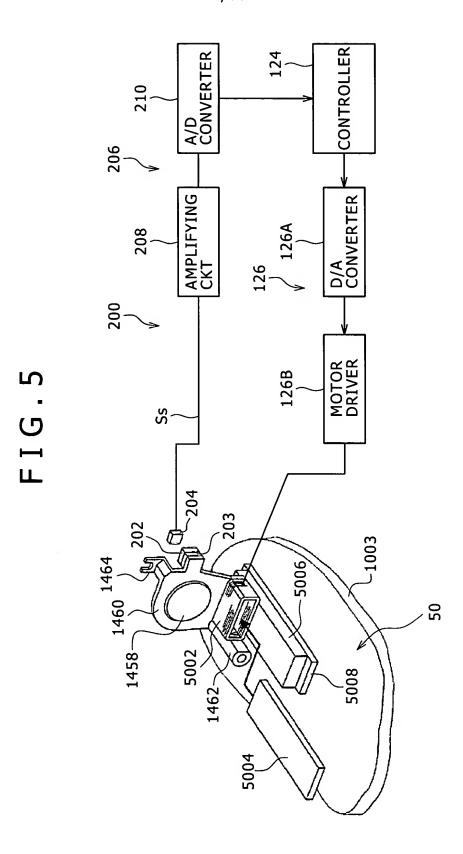
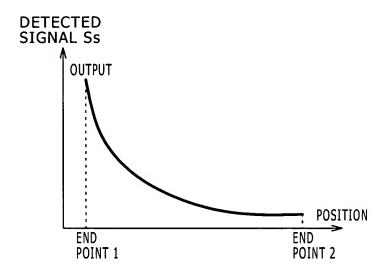
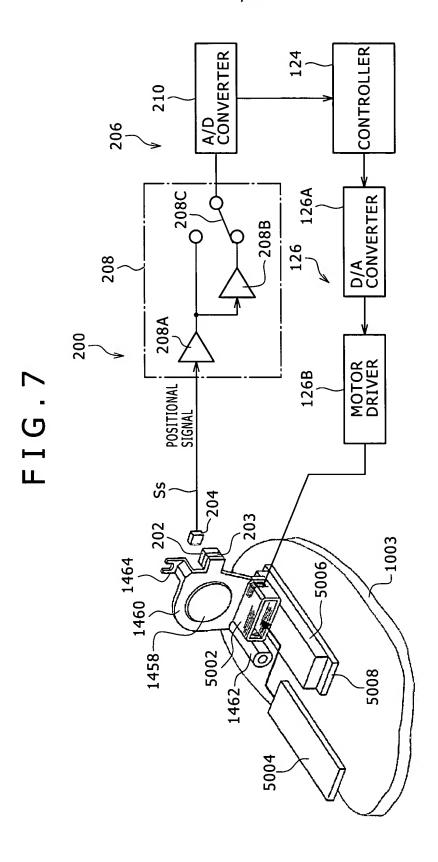


FIG.6







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FIG.8

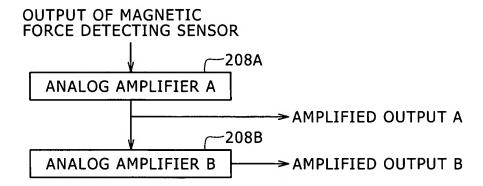


FIG.9

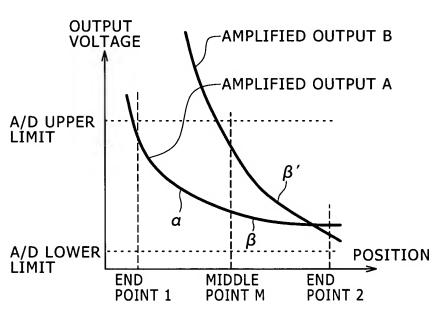


FIG.10

OUTPUT OF MAGNETIC FORCE DETECTING SENSOR

208A

ANALOG AMPLIFIER A

AMPLIFIED OUTPUT A

AMPLIFIED OUTPUT B



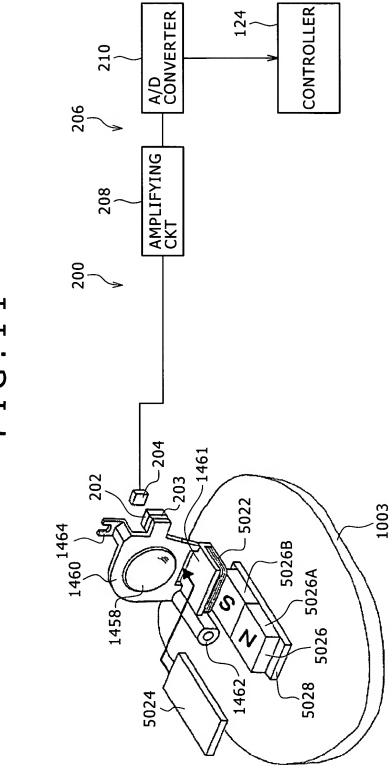
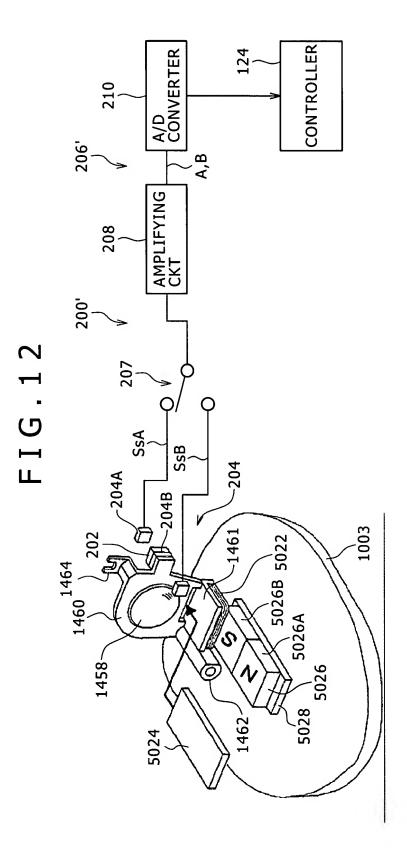


FIG.11



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FIG.13

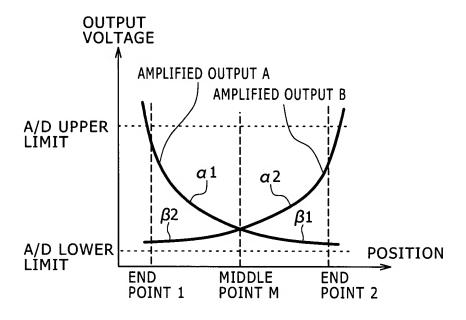
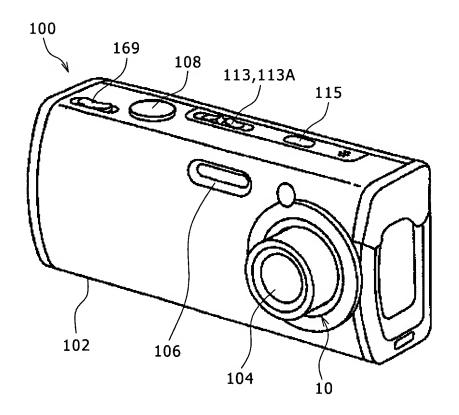


FIG.14



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FIG.15

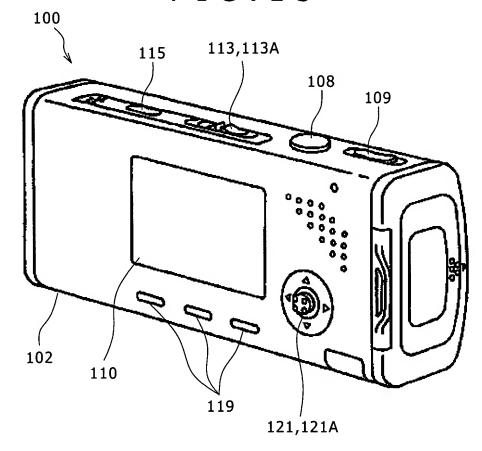
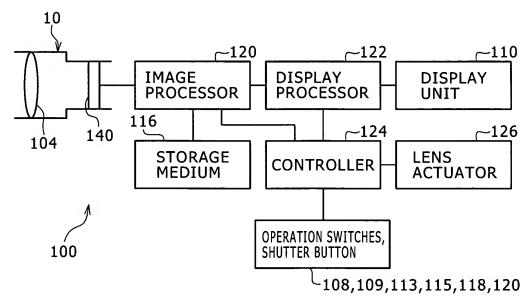
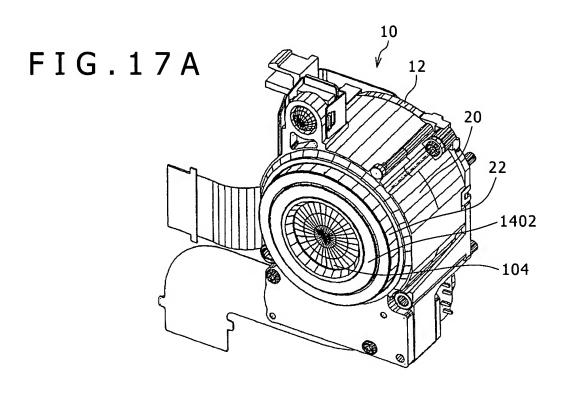


FIG.16



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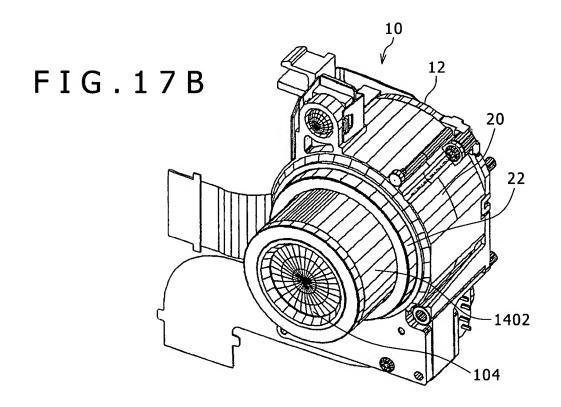


FIG.18

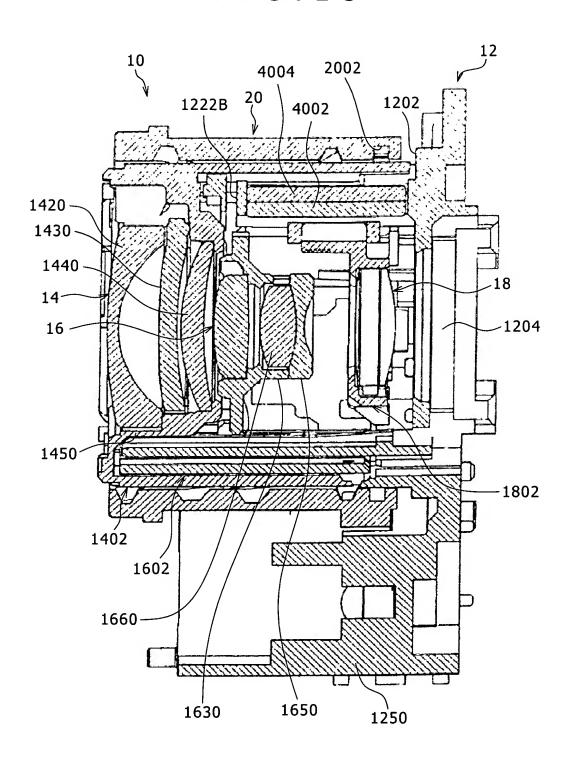


FIG.19

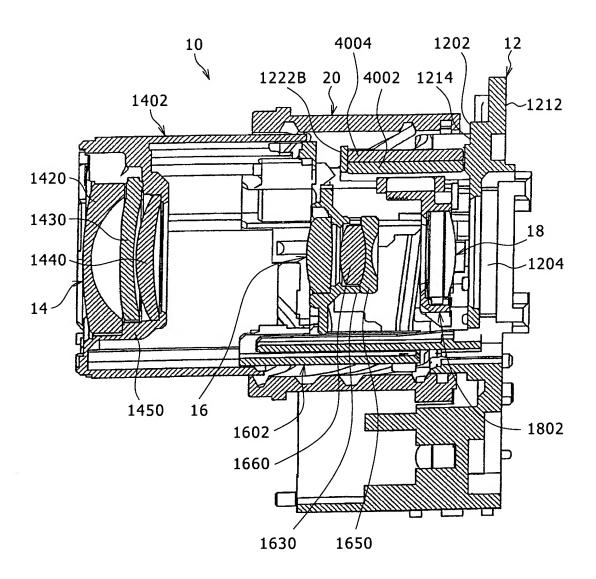
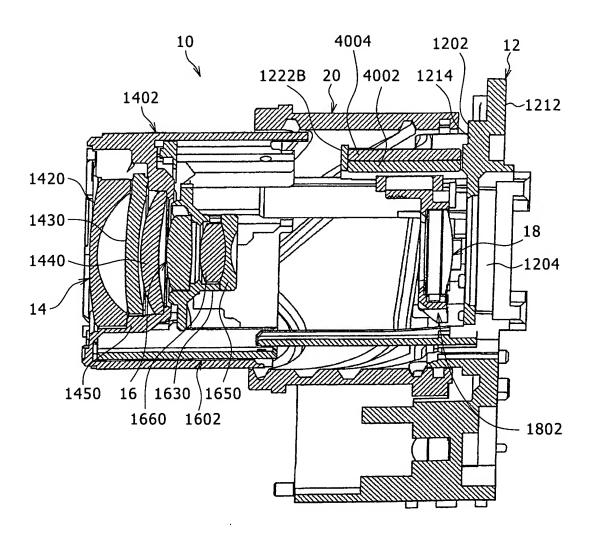
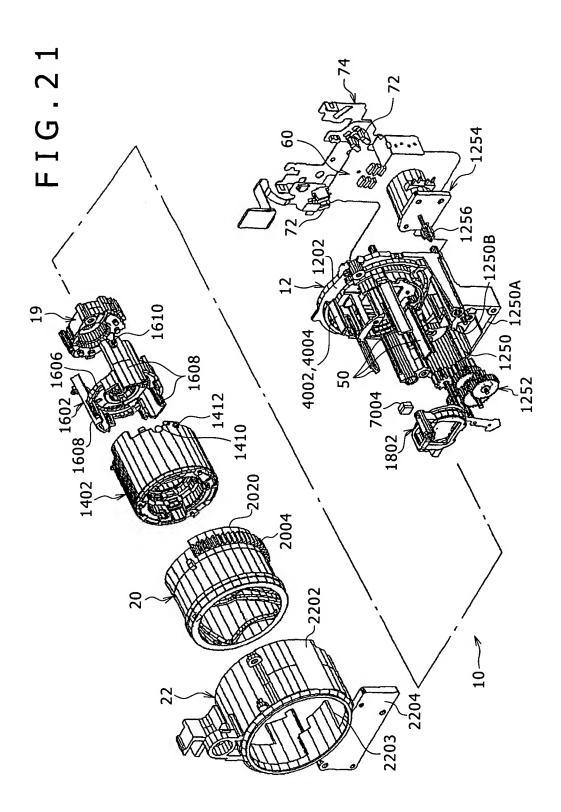
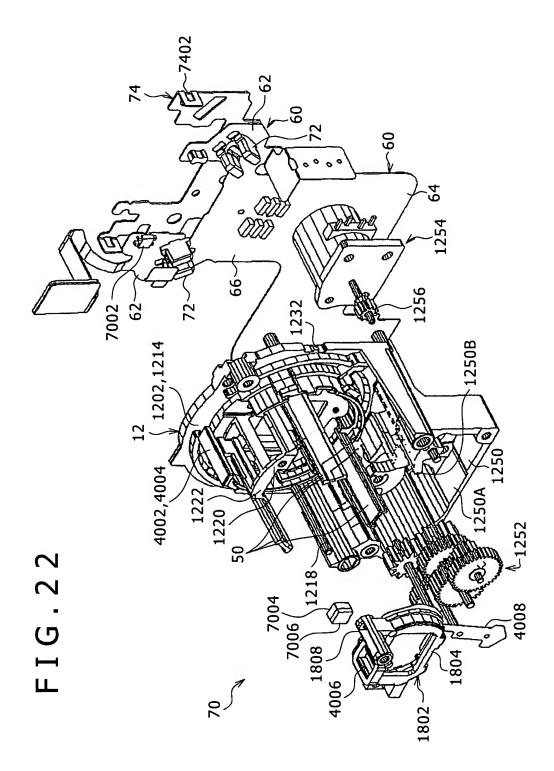
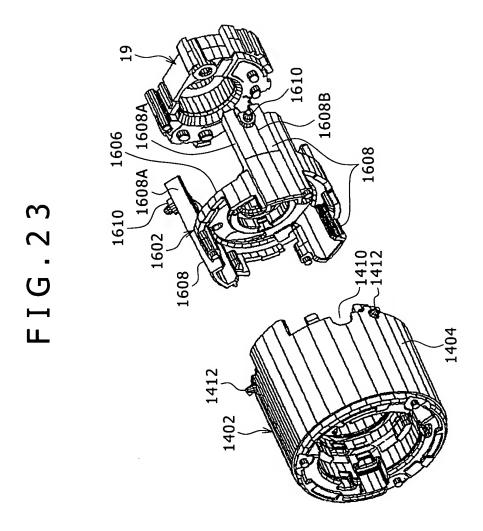


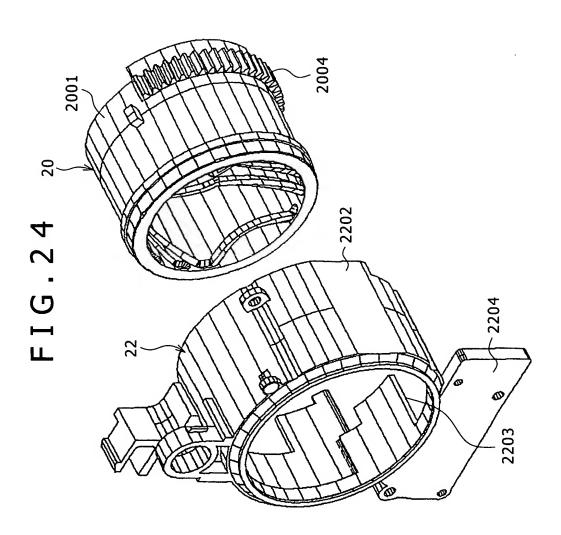
FIG.20

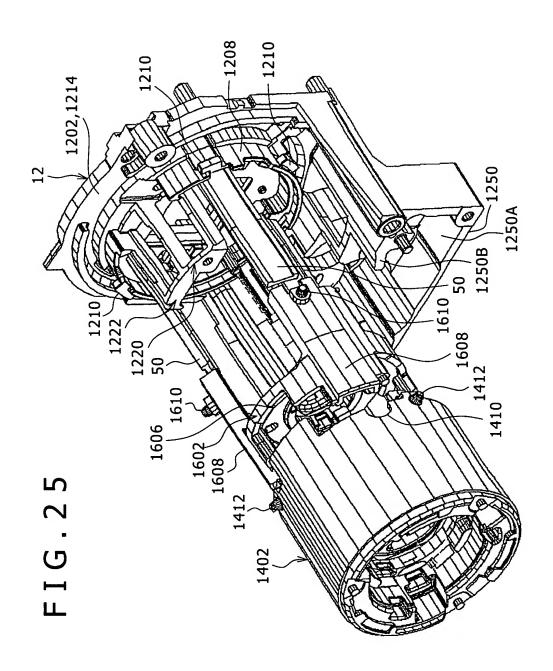


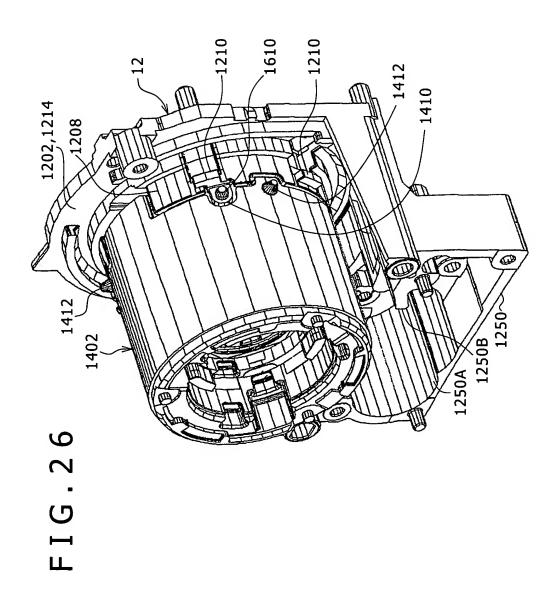


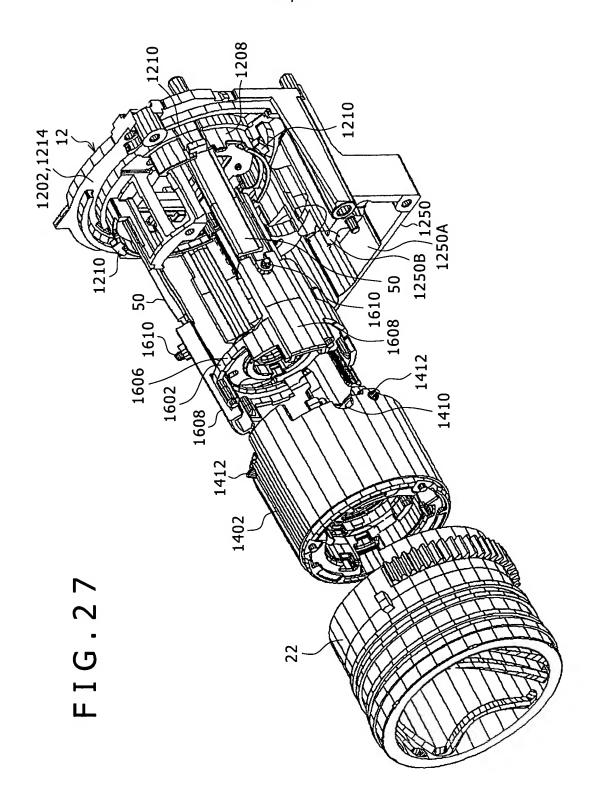


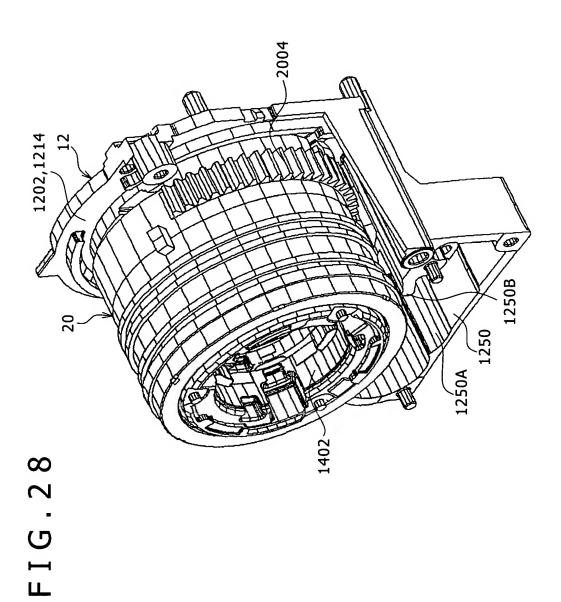


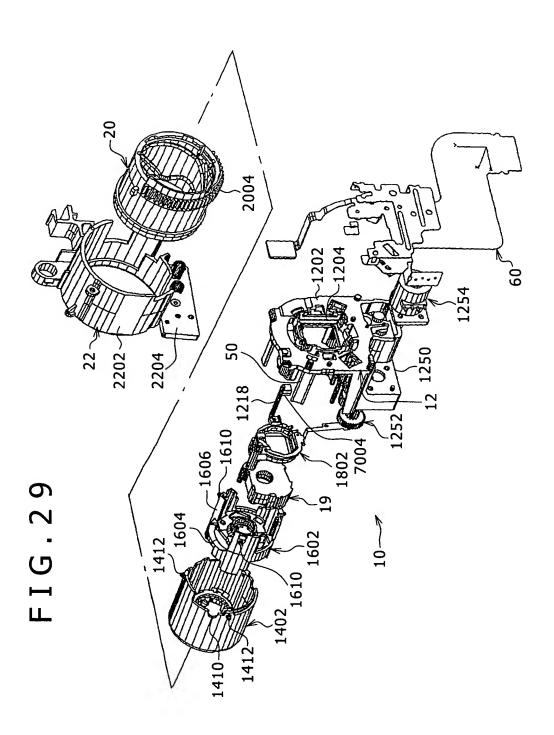


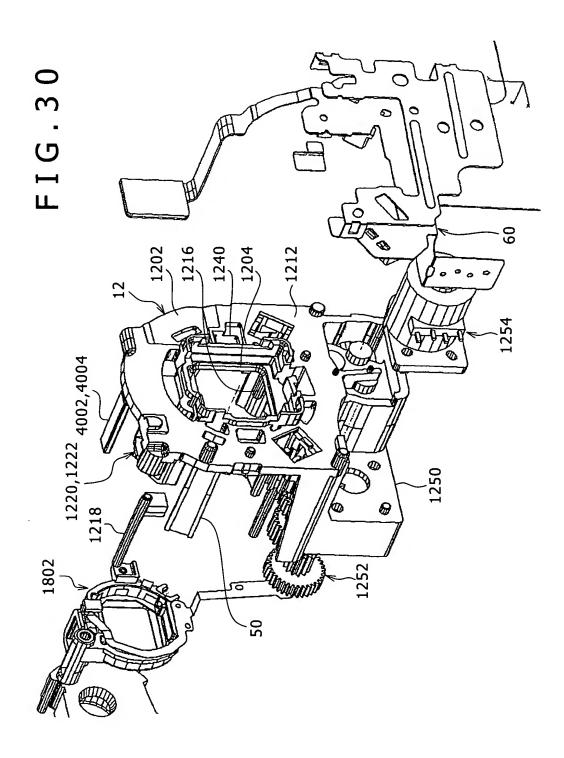




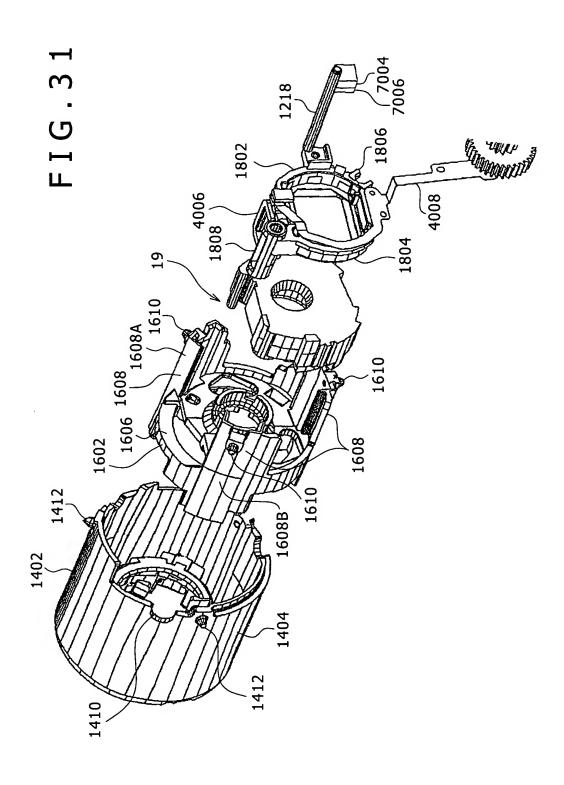




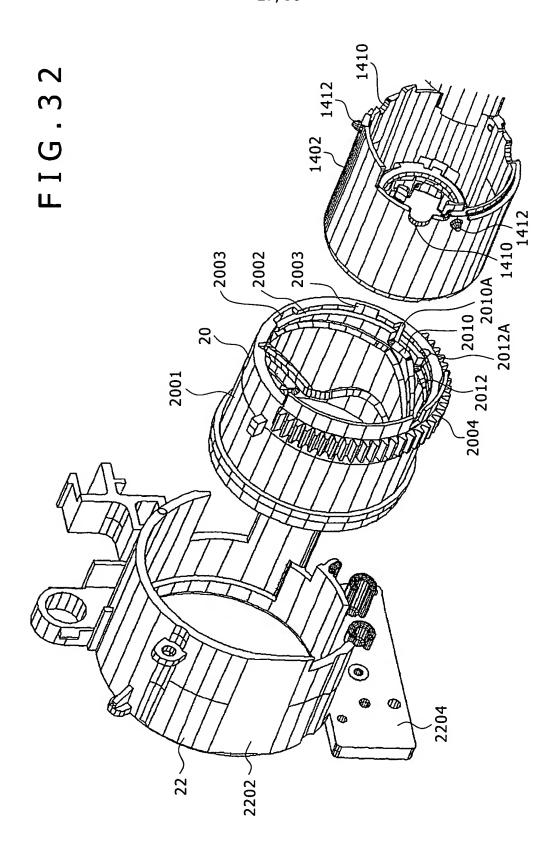




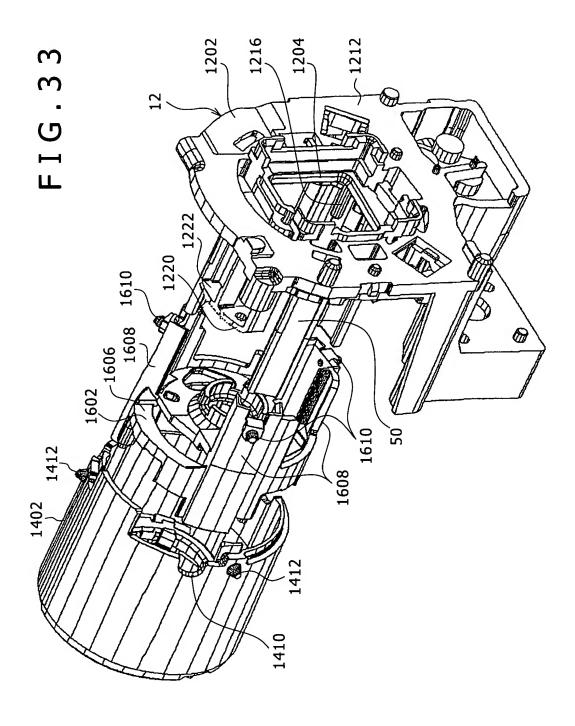
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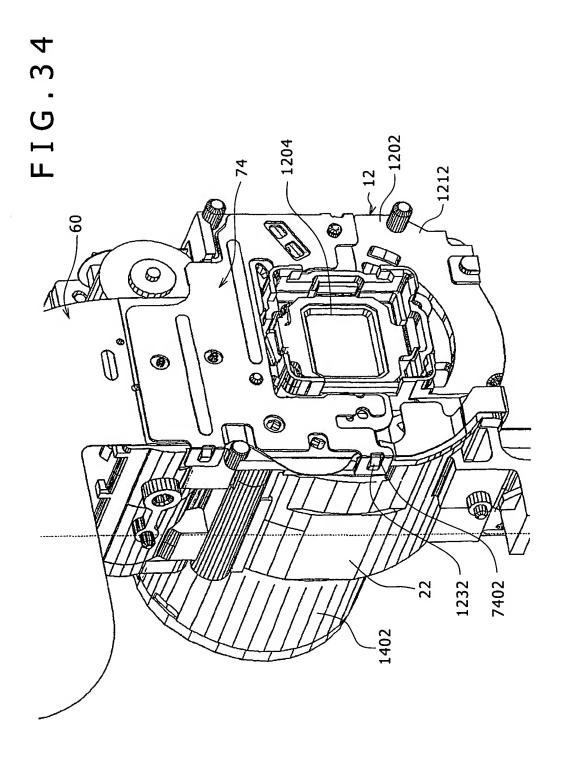


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FIG.35

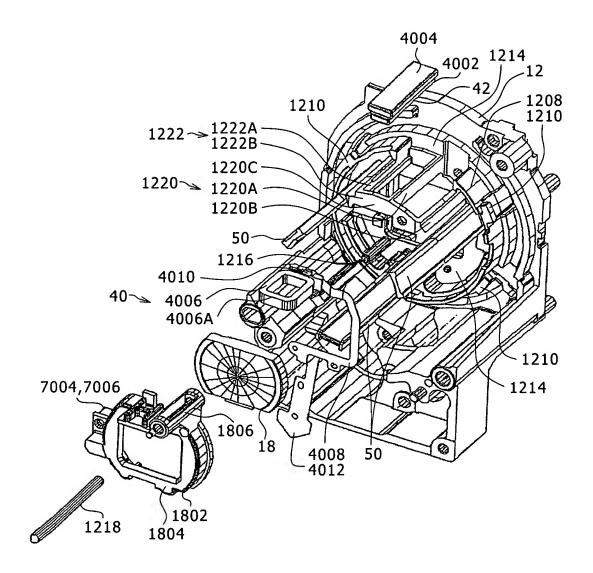


FIG.36

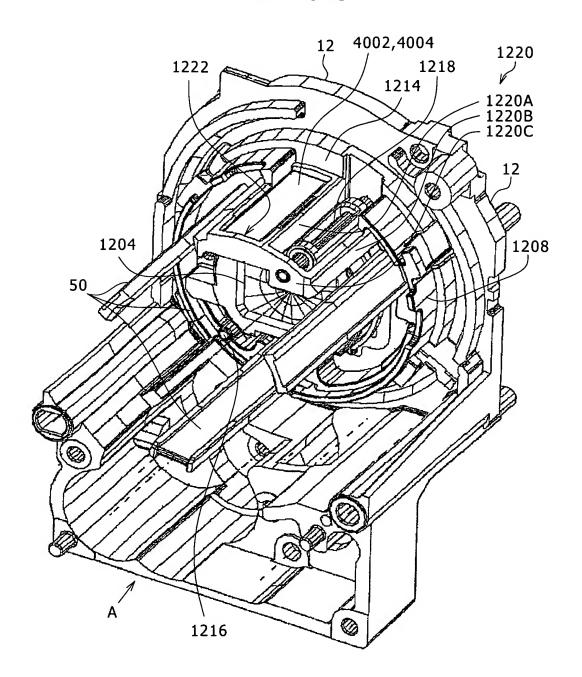
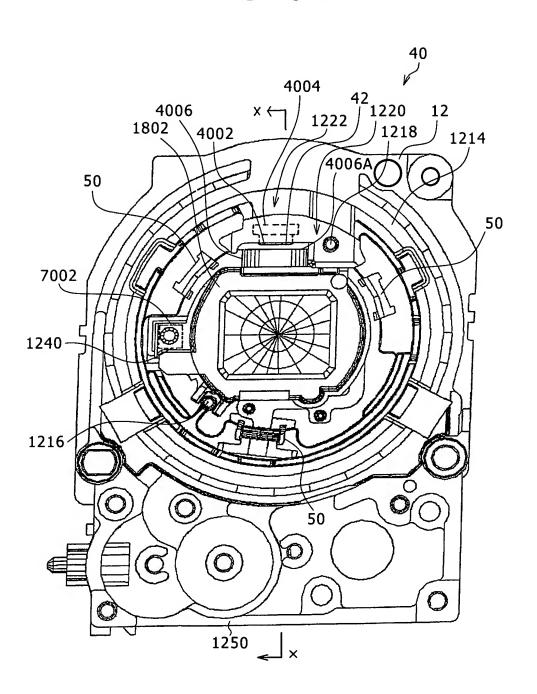


FIG.37



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FIG.38

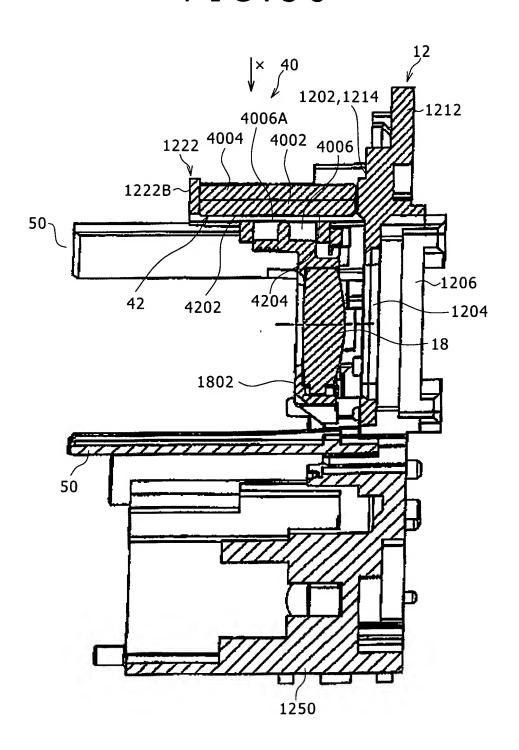


FIG.39

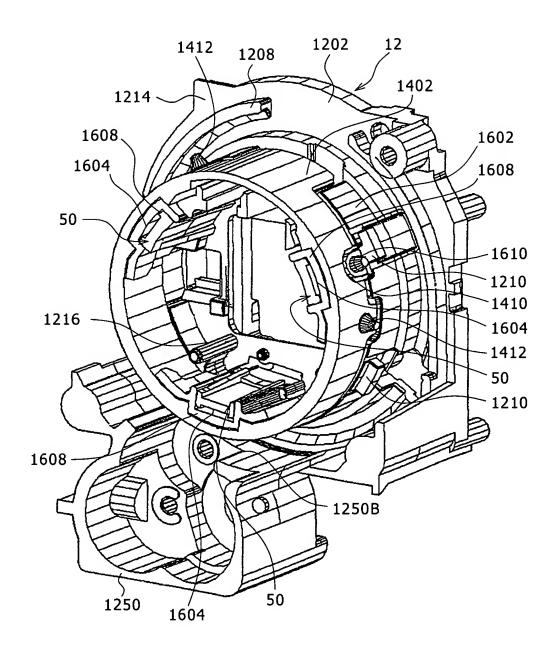


FIG.40

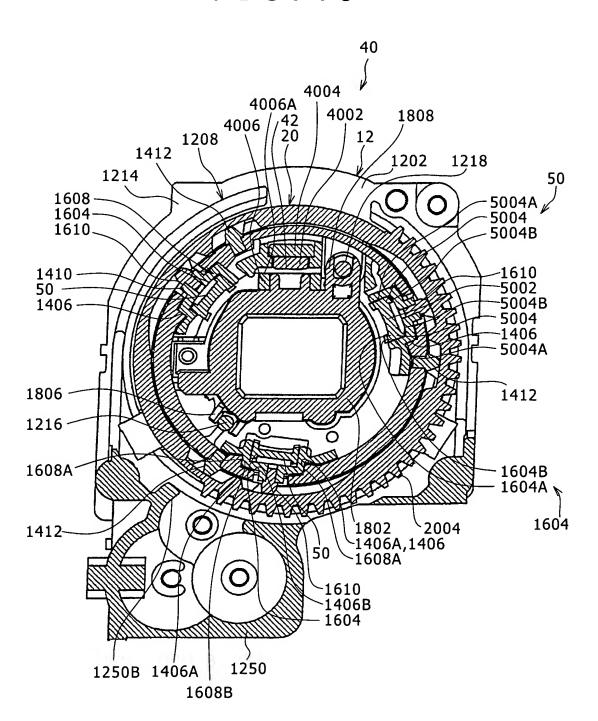


FIG.41

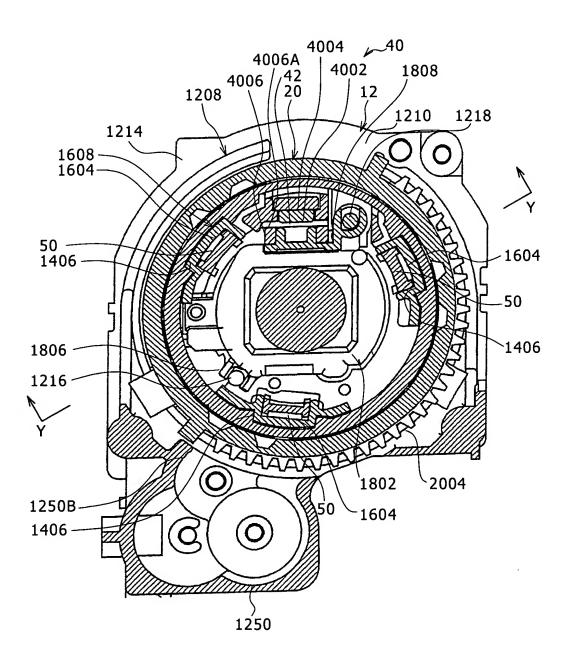
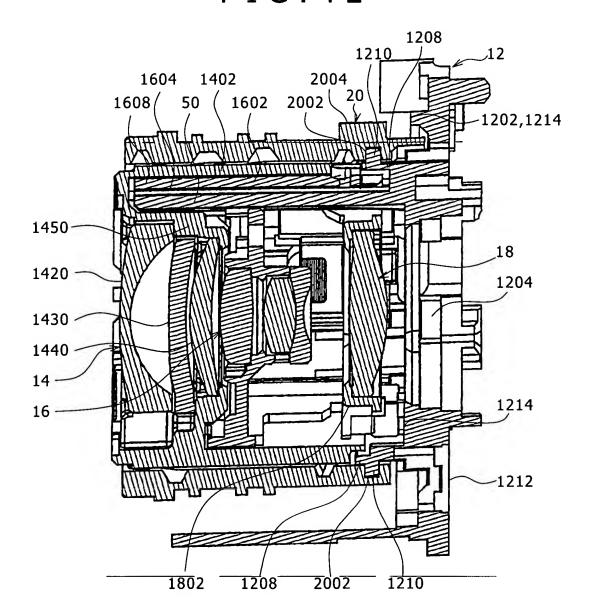
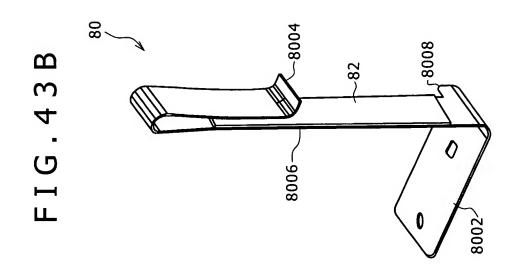


FIG.42



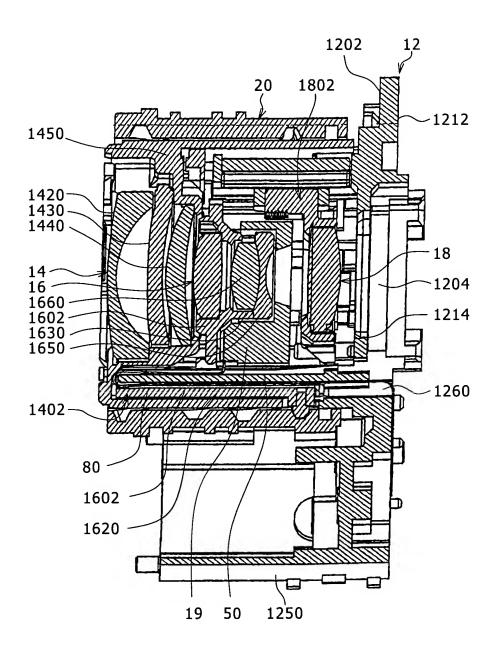
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F I G . 4 3 A

8004
8008
8008
8008

FIG.44



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FIG.45

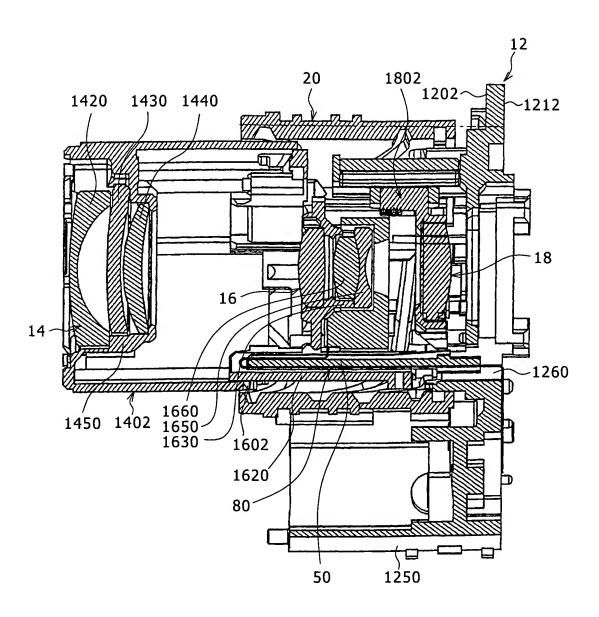
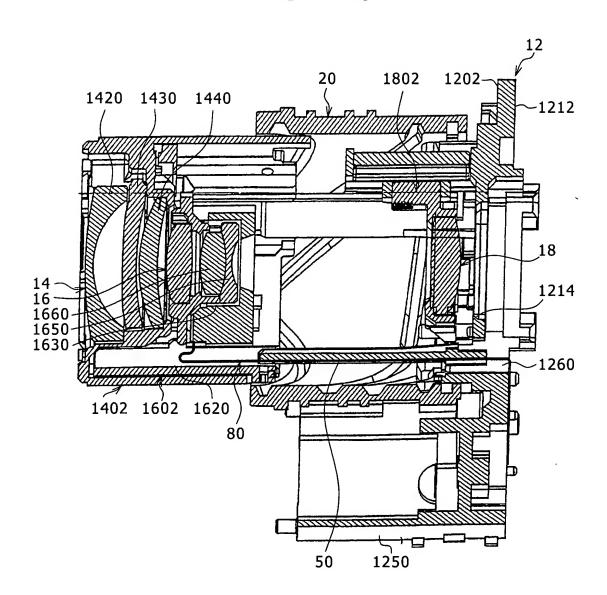


FIG.46



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FIG.47A

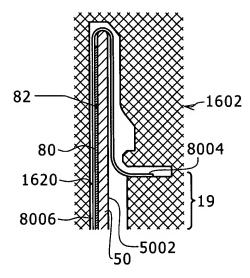
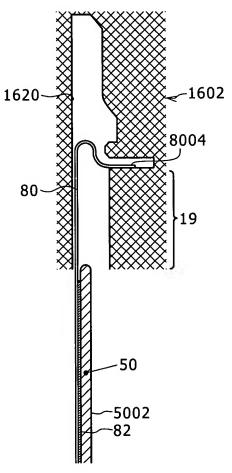


FIG.47B



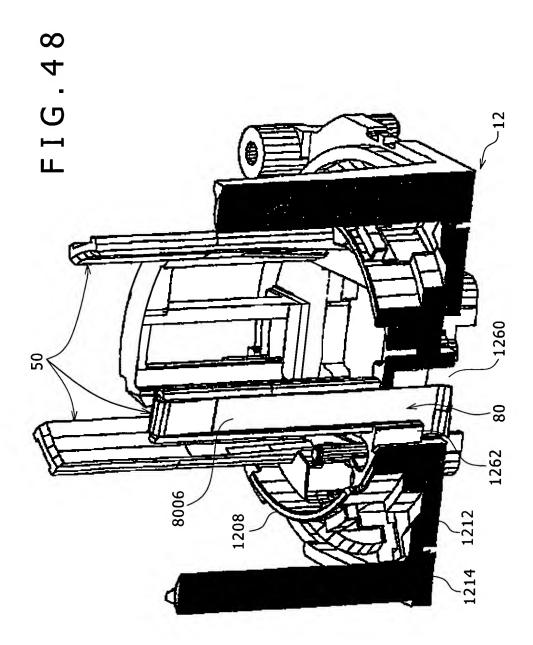
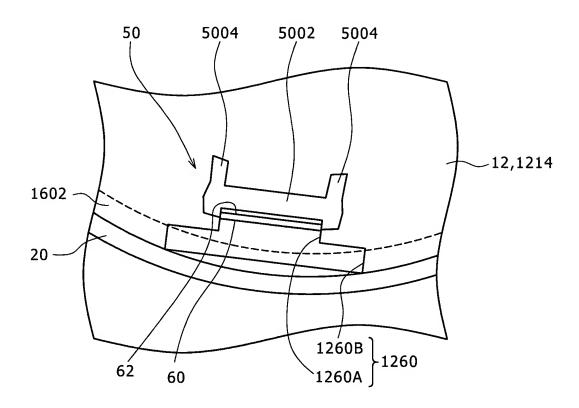
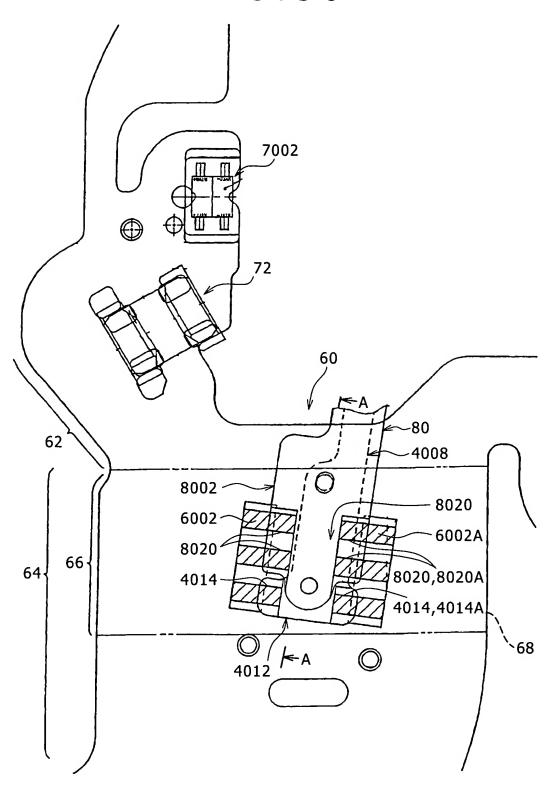


FIG.49



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FIG.50



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FIG.51A

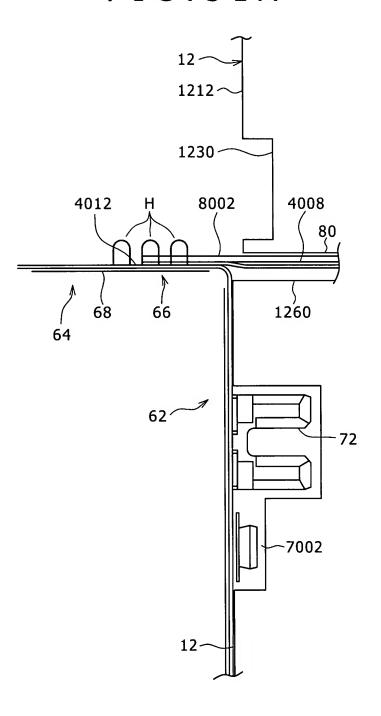


FIG.51B

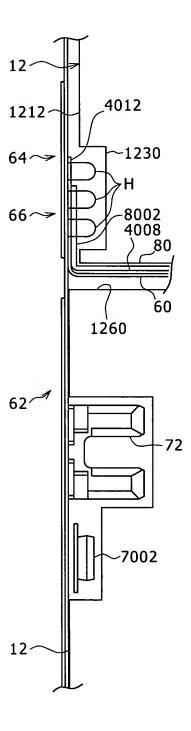


FIG.52

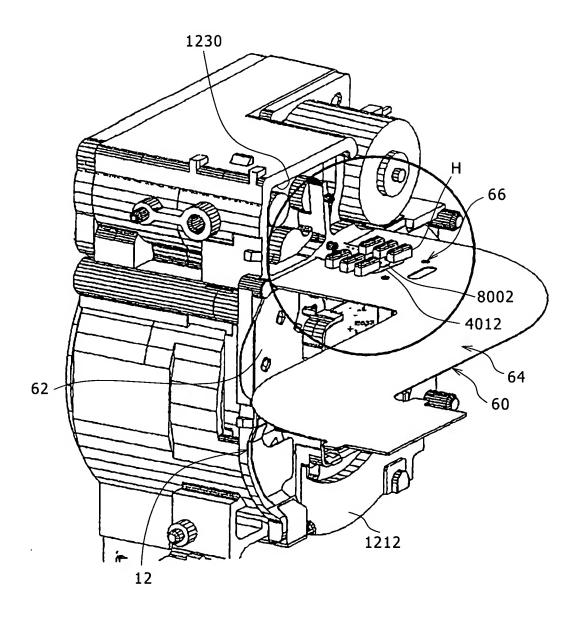


FIG.53

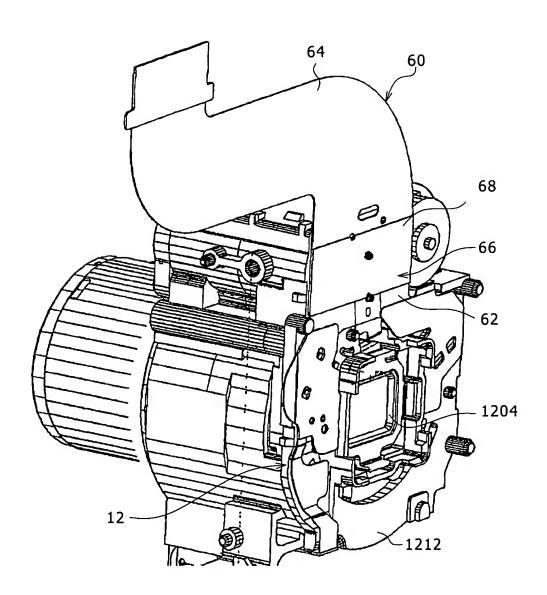


FIG.54

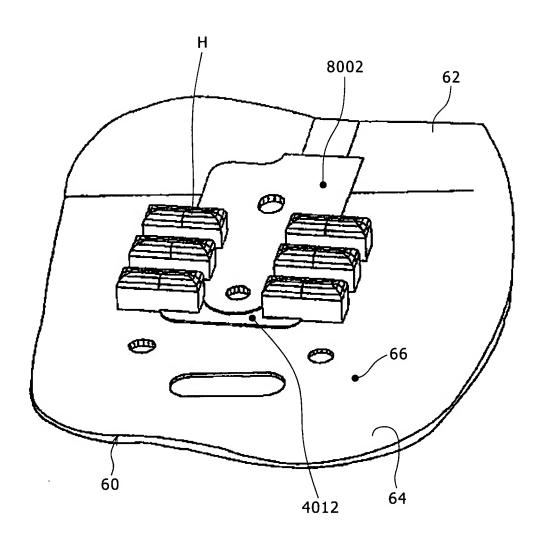


FIG.55

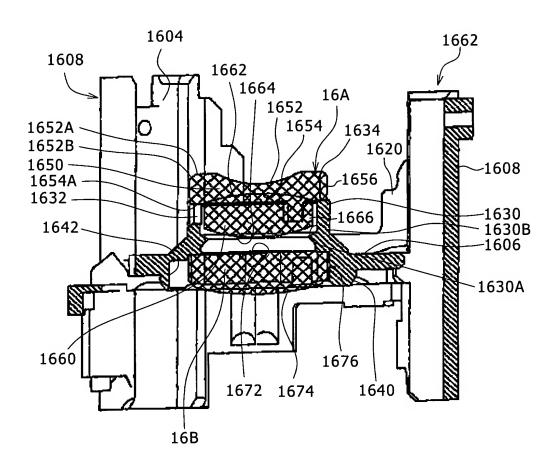
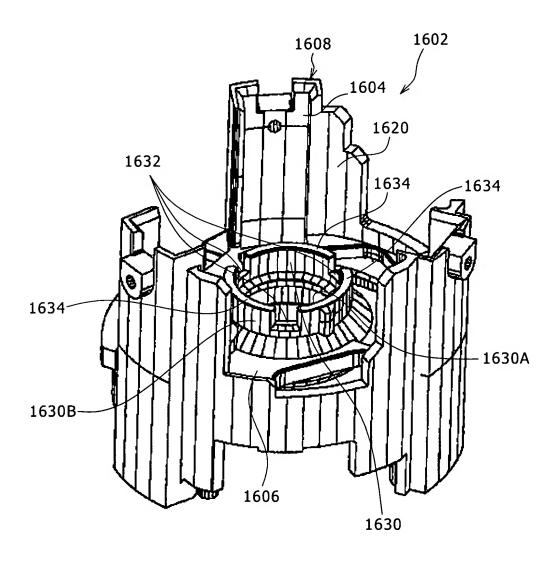
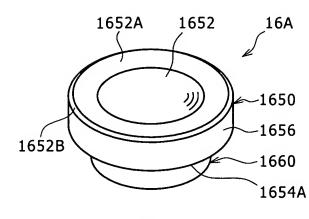


FIG.56



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FIG.57



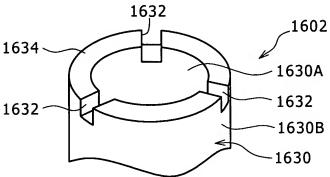


FIG.58

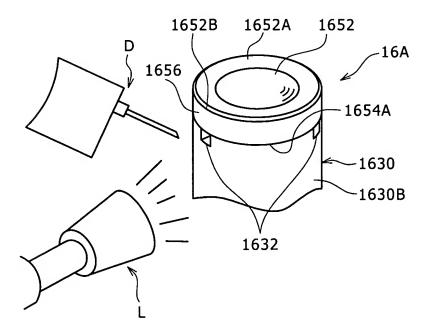


FIG.59

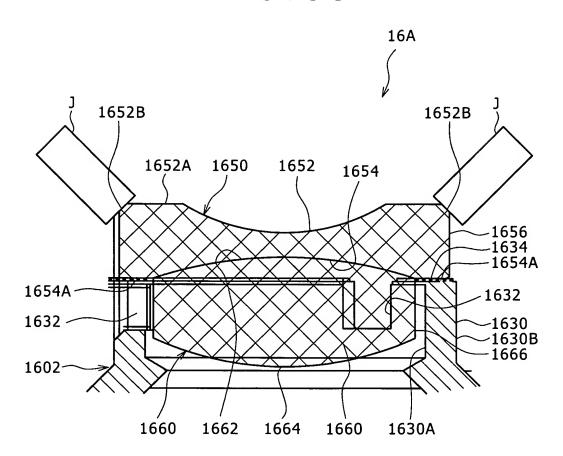
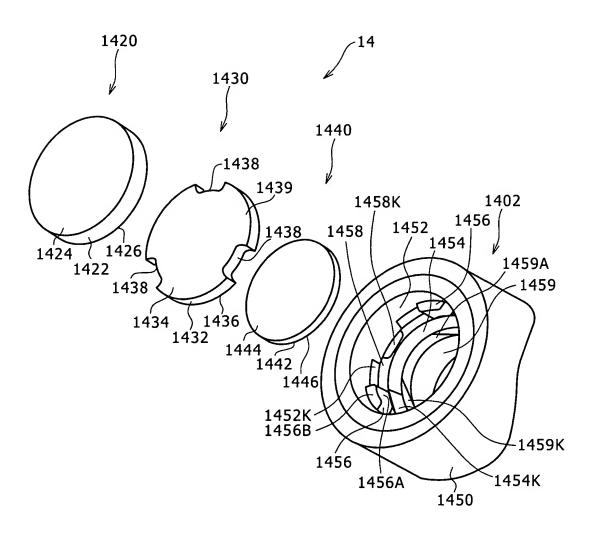


FIG.60



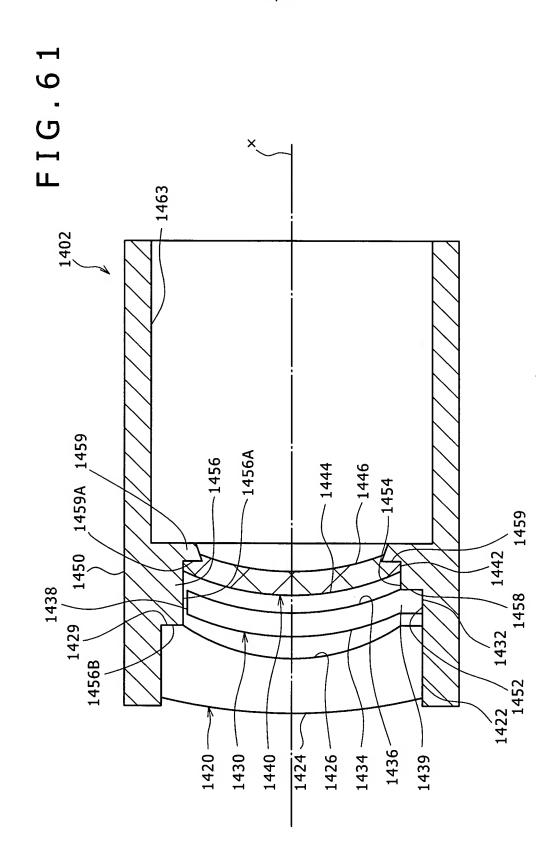
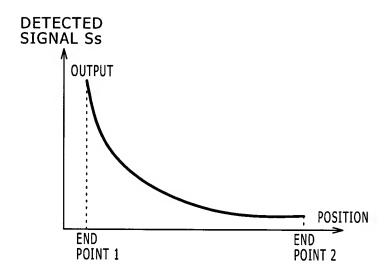
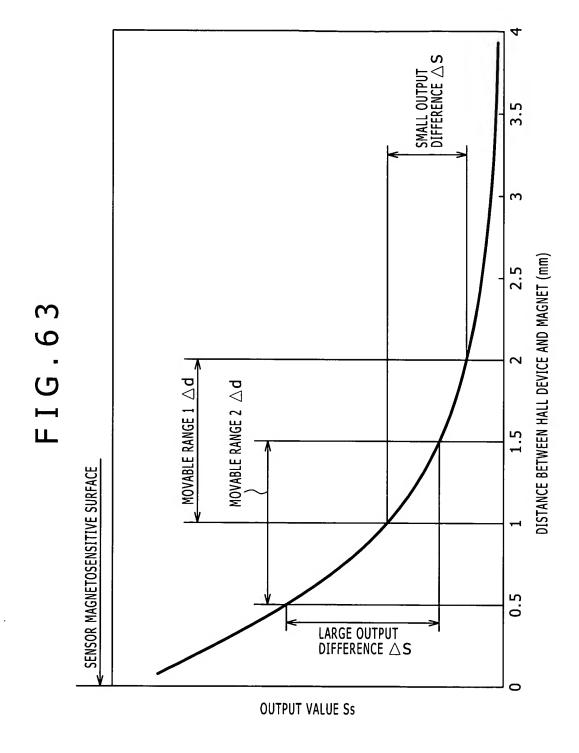


FIG.62





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FIG.64

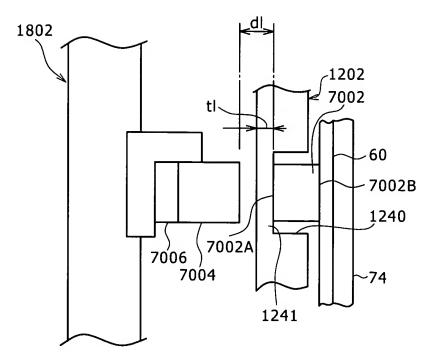


FIG.65

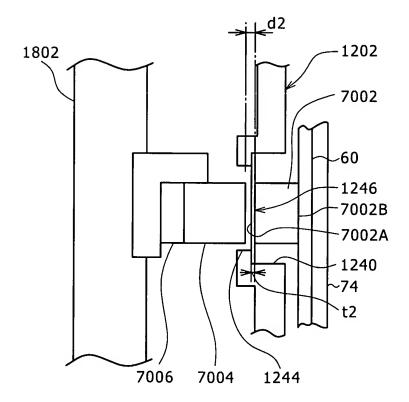


FIG.66

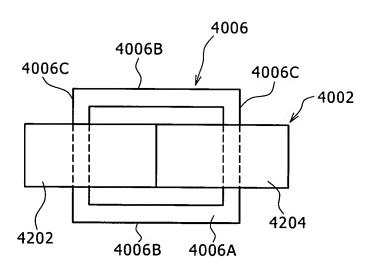


FIG.67

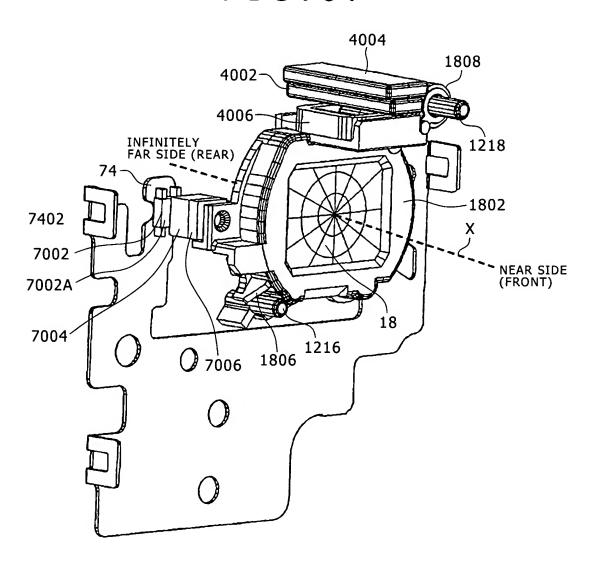
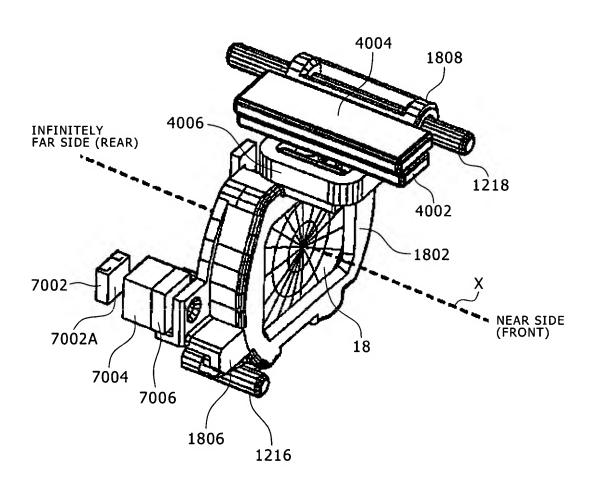


FIG.68



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FIG.69A

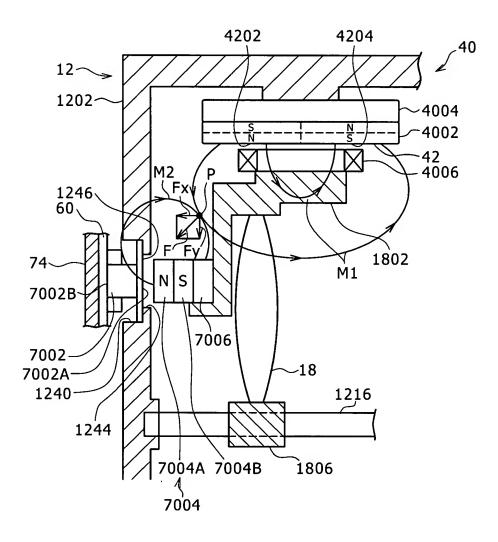


FIG.69B

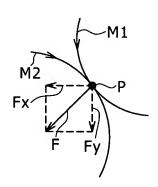
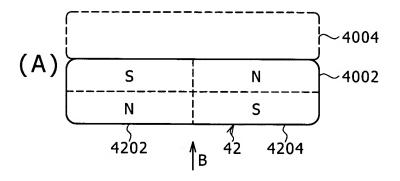


FIG.70



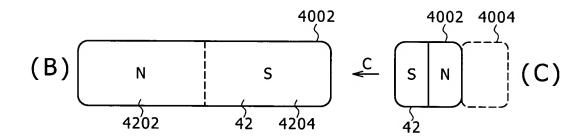


FIG.71

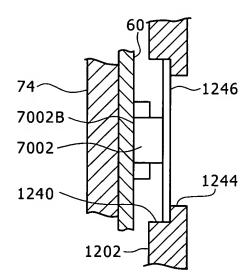


FIG.72

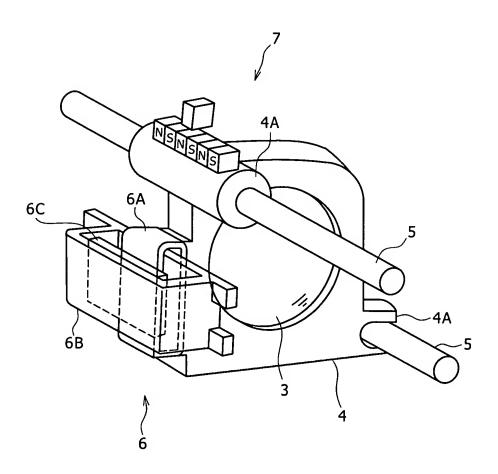


FIG.73

